

Notice of Allowability

Application No.

09/200,430

Examiner

Christopher Onuaku

Applicant(s)

YAMAMOTO ET AL.

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the After Final amendment filed 9/5/06.
2. ☒ The allowed claim(s) is/are 1-23 (now renumbered 1-5,8,10,12,14,16,18,9,11,13,15,17,19,6,7&20-23, respectively).
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some* c) ☐ None of the:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

DETAILED ACTION

Allowable Subject Matter

1. Claims 1-23 are allowable over the prior art of record.
2. The following is a statement of reasons for the indication of allowable subject matter:

Regarding claim 1, the invention relates to information record medium on which video information is recorded such as a video DVD and which allows an audio DVD compatible player to reproduce only the audio information therefrom without discrepancy, and an apparatus for and a method of appropriately reproducing only the audio information from the video DVD.

The closest reference Heo (US 6,741,796) discloses a digital versatile disk (DVD), and an apparatus and method for playing the DVD, including an audio DVD (DVD-Audio) and an apparatus and method for playing the same.

However, Heo fails to explicitly disclose a DVD information record medium having an audio zone and the video zone encoded with information, where the information further comprises first reproduction control information to reproduce the video information and audio information out of the substantial information only for a first reproducing apparatus with video and audio reproduction ability, and second reproduction control information to reproduce only the audio information out of the

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substantial information only for a second reproducing apparatus that is able to reproduce audio, but is not able to reproduce video.

Furthermore, claim 1 as amended is patentable under 35 USC 101 since it complies with the requirements of the November 2005 Interim Guidelines. The claim is considered to recite a record medium encoded with a data structure which define structural and functional interrelationships between the data structure and the computer software and hardware components which permit the data structure's functionality to be realized, and is thus statutory.

Regarding claim 6, the invention relates to information record medium on which video information is recorded such as a video DVD and which allows an audio DVD compatible player to reproduce only the audio information therefrom without discrepancy, and an apparatus for and a method of appropriately reproducing the audio information from the video DVD.

The closest reference Heo (US 6,741,796) discloses a digital versatile disk (DVD), and an apparatus and method for playing the DVD, including an audio DVD (DVD-Audio) and an apparatus and method for playing the same

However, Heo fails to explicitly disclose an information reproducing apparatus for reproducing a DVD information record medium having an audio zone and the video zone, where the information reproducing apparatus for reproducing a DVD information record medium further comprises first reproduction control information to reproduce the video information and the audio information out of the substantial information only for a

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first reproducing apparatus with video and audio reproduction ability, and second reproduction control information to reproduce only the audio information out of the substantial information only for a second reproducing apparatus that is able to reproduce audio, but is not able to reproduce video.

Regarding claim 7, the invention relates to an information record medium on which video information is recorded such as a video DVD and which allows an audio DVD compatible player to reproduce only the audio information therefrom without discrepancy, and an apparatus for and a method of appropriately reproducing the audio information from the video DVD.

The closest reference Heo (US 6,741,796) discloses a digital versatile disk (DVD), and an apparatus and method for playing the DVD, including an audio DVD (DVD-Audio) and an apparatus and method for playing the same.

However, Heo fails to explicitly disclose an information reproducing apparatus for reproducing a DVD information record medium having an audio zone and the video zone, where the information reproducing apparatus for reproducing a DVD information record medium further comprises second reproduction control information to reproduce only the audio information out of the substantial information only for a second reproducing apparatus that is able to reproduce audio, but is not able to reproduce video

Regarding claim 8, the invention relates to an information record medium medium on which video information is recorded such as a video DVD and which allows an audio DVD compatible player to reproduce only the audio information therefrom without discrepancy, and an apparatus for and a method of appropriately reproducing the audio information from the video DVD.

The closest reference Heo (US 6,741,796) discloses a digital versatile disk (DVD), and an apparatus and method for playing the DVD, including an audio DVD (DVD-Audio) and an apparatus and method for playing the same.

However, Heo fails to explicitly disclose an information reproducing apparatus for reproducing a DVD information record medium having an audio zone and the video zone, where the information reproducing apparatus for reproducing a DVD information record medium further comprises second reproduction control information to reproduce only the audio information out of the substantial information only for a second reproducing apparatus that is able to reproduce audio, but is not able to reproduce video

Regarding claim 9, the invention relates to an information record medium medium on which video information is recorded such as a video DVD and which allows an audio DVD compatible player to reproduce only the audio information therefrom without discrepancy, and an apparatus for and a method of appropriately reproducing the audio information from the video DVD.

The closest reference Heo (US 6,741,796) discloses a digital versatile disk (DVD), and an apparatus and method for playing the DVD, including an audio DVD (DVD-Audio) and an apparatus and method for playing the same.

However, Heo fails to explicitly disclose an information reproducing apparatus for reproducing a DVD information record medium having an audio zone and the video zone, where the information reproducing apparatus for reproducing a DVD information record medium further comprises second reproduction control information to reproduce only the audio information out of the substantial information only for a second reproducing apparatus that is able to reproduce audio, but is not able to reproduce video

Regarding claim 10, the invention relates to an information record medium medium on which video information is recorded such as a video DVD and which allows an audio DVD compatible player to reproduce only the audio information therefrom without discrepancy, and an apparatus for and a method of appropriately reproducing the audio information from the video DVD.

The closest reference Heo (US 6,741,796) discloses a digital versatile disk (DVD), and an apparatus and method for playing the DVD, including an audio DVD (DVD-Audio) and an apparatus and method for playing the same.

However, Heo fails to explicitly disclose an information reproducing apparatus for reproducing a DVD information record medium having an audio zone and the video zone, where the information reproducing apparatus for reproducing a DVD information

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record medium further comprises second reproduction control information to reproduce only the audio information out of the substantial information only for a second reproducing apparatus that is able to reproduce audio, but is not able to reproduce video

Regarding claim 11, the invention relates to an information record medium medium on which video information is recorded such as a video DVD and which allows an audio DVD compatible player to reproduce only the audio information therefrom without discrepancy, and an apparatus for and a method of appropriately reproducing the audio information from the video DVD.

The closest reference Heo (US 6,741,796) discloses a digital versatile disk (DVD), and an apparatus and method for playing the DVD, including an audio DVD (DVD-Audio) and an apparatus and method for playing the same.

However, Heo fails to explicitly disclose an information reproducing apparatus for reproducing a DVD information record medium having an audio zone and the video zone, where the information reproducing apparatus for reproducing a DVD information record medium further comprises second reproduction control information to reproduce only the audio information out of the substantial information only for a second reproducing apparatus that is able to reproduce audio, but is not able to reproduce video

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Regarding claim 20, the invention relates to an information record medium medium on which video information is recorded such as a video DVD and which allows an audio DVD compatible player to reproduce only the audio information thereforom without discrepancy, and an apparatus for and a method of appropriately reproducing the audio information from the video DVD.

The closest reference Heo (US 6,741,796) discloses a digital versatile disk (DVD), and an apparatus and method for playing the DVD, including an audio DVD (DVD-Audio) and an apparatus and method for playing the same.

However, Heo fails to explicitly disclose an information reproducing apparatus for reproducing a DVD information record medium having an audio zone and the video zone, where the information reproducing apparatus for reproducing a DVD information record medium further comprises second reproduction control information to reproduce only the audio information out of the substantial information only for a second reproducing apparatus that is able to reproduce audio, but is not able to reproduce video

Regarding claim 21, the invention relates to an information record medium medium on which video information is recorded such as a video DVD and which allows an audio DVD compatible player to reproduce only the audio information thereforom without discrepancy, and an apparatus for and a method of appropriately reproducing the audio information from the video DVD.

The closest reference Heo (US 6,741,796) discloses a digital versatile disk (DVD), and an apparatus and method for playing the DVD, including an audio DVD (DVD-Audio) and an apparatus and method for playing the same.

However, Heo fails to explicitly disclose an information reproducing apparatus for reproducing a DVD information record medium having an audio zone and the video zone, where the information reproducing apparatus for reproducing a DVD information record medium further comprises second reproduction control information to reproduce only the audio information out of the substantial information only for a second reproducing apparatus that is able to reproduce audio, but is not able to reproduce video.

Regarding claim 22, the invention relates to an information record medium medium on which video information is recorded such as a video DVD and which allows an audio DVD compatible player to reproduce only the audio information therefrom without discrepancy, and an apparatus for and a method of appropriately reproducing the audio information from the video DVD.

The closest reference Heo (US 6,741,796) discloses a digital versatile disk (DVD), and an apparatus and method for playing the DVD, including an audio DVD (DVD-Audio) and an apparatus and method for playing the same.

However, Heo fails to explicitly disclose an information reproducing apparatus for reproducing a DVD information record medium having an audio zone and the video zone, where the information reproducing apparatus for reproducing a DVD information

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record medium further comprises second reproduction control information to reproduce only the audio information out of the substantial information only for a second reproducing apparatus that is able to reproduce audio, but is not able to reproduce video

Regarding claim 23, the invention relates to an information record medium medium on which video information is recorded such as a video DVD and which allows an audio DVD compatible player to reproduce only the audio information thereforom without discrepancy, and an apparatus for and a method of appropriately reproducing the audio information from the video DVD.

The closest reference Heo (US 6,741,796) discloses a digital versatile disk (DVD), and an apparatus and method for playing the DVD, including an audio DVD (DVD-Audio) and an apparatus and method for playing the same.

However, Heo fails to explicitly disclose an information reproducing apparatus for reproducing a DVD information record medium having an audio zone and the video zone, where the information reproducing apparatus for reproducing a DVD information record medium further comprises second reproduction control information to reproduce only the audio information out of the substantial information only for a second reproducing apparatus that is able to reproduce audio, but is not able to reproduce video.

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Conclusion

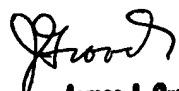
3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Christopher Onuaku whose telephone number is 571-272-7379. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James Groody can be reached on 571-272-7950. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


COO

13/9/06


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Art Unit-262 2621